Mr. Robot Paper Circuit

Kit contains:

- 1 Circuit template
- 2 Strips of copper tape
- 1 LED light bulb
- 1 Battery
- 2 Binder clip

You will need: a hole punch or nail, scotch tape, and markers to color.

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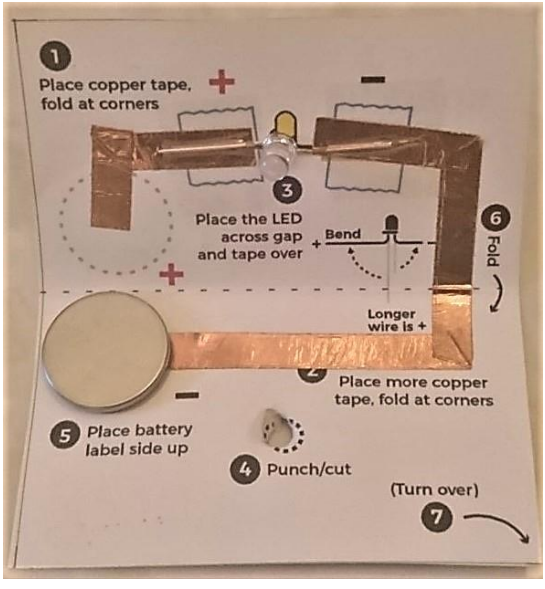
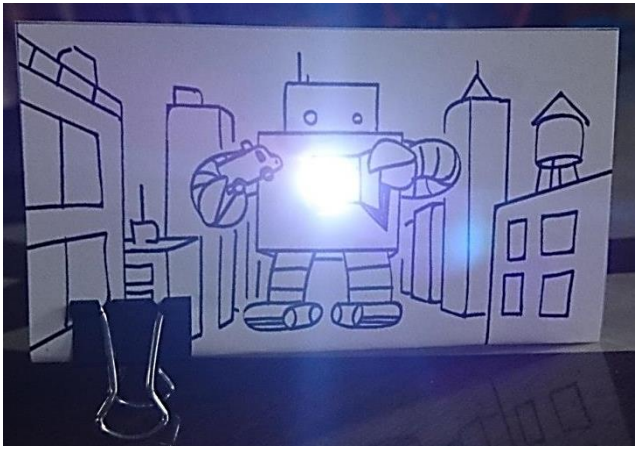
INSTRUCTIONS

Follow the steps on the circuit template to make Mr. Robot's heart glow.



(This paper circuit template is used with permission of SparkFun: learn.sparkfun.com)



Tip 1. Peel the backing off of the copper tape as you apply it to the circuit template.

Tip 2. Be sure that the leads on the LED light are stuck tightly to the copper tape.

Tip 3. If your bulb doesn't light up, try flipping the battery.

TECH CONNECTION

A **circuit** is a complete path around which electricity can flow. It must include a source of electricity, such as a battery. Materials that allow electric current to pass through them easily, called **conductors**, can be used to link the positive and negative ends of a battery, creating a circuit. In an open or broken circuit, there is a break along the line, and the current stops. In a closed or complete circuit, electric current can flow. When electric current flows, it can be used by electrical appliances, such as light bulbs.